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#### PATENT COOPERATION TREATY

## **PCT**

#### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 91557-76915	FOR FURTHER see Notifice ACTION (Form PCT)	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
International application No.	International filing date (day/month	/year) (Earliest) Priority Date (day/month/year)					
PCT/US00/15243	02 JUNE 2000	04 JUNE 1999					
Applicant THE BOARD OF REGENTS THE UNIVERSITY OF TEXAS							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.							
This international search report consists	of a total of sheets.						
X It is also accompanied by a c							
1. Basis of the report							
	e international search was carried out on unless otherwise indicated under this ite	the basis of the international application in the					
		on of the international application furnished to this					
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:							
contained in the international application in written form.							
filed together with the intern	ational application in computer readal	ole form.					
furnished subsequently to the	is Authority in written form.						
	ais Authority in computer readable for	m.					
the statement that the subsec		ng does not go beyond the disclosure in the					
international application as filed has been furnished.  the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.							
2. Certain claims were found	l unsearchable (See Box I).						
3. Unity of invention is lacki	ng (See Box II).						
4. With regard to the title,							
X the text is approved as subm	nitted by the applicant.						
the text has been established	d by this Authority to read as follows:						
		·					
5. With regard to the abstract,							
X the text is approved as subr	nitted by the applicant.						
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.							
6. The figure of the drawings to be published with the abstract is Figure No							
X as suggested by the applica	nt.	None of the figures.					
because the applicant failed	to suggest a figure.						
because this figure better ch	naracterizes the invention.						

#### INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/15243

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : Please See Extra Sheet.					
US CL : Please See Extra Sheet.					
According	to International Patent Classification (IPC) or to both	national classification and IPC			
B. FIEI	LDS SEARCHED				
Minimum d	locumentation searched (classification system followed	d by classification symbols)			
U.S. :	514/44; 435/6, 91.1, 91.31, 91.5, 455, 366, 375; 536	/ 23.1, 24.5, 25.3			
Documenta	tion searched other than minimum documentation to the	extent that such documents are included	in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  Dialog, West					
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.		
A	KLEFSTROM et al. C-Myc induces cellular susceptibility to the cytotoxic action of TNF-alpha. The EMBO Journal. 1994, Vol. 13, No. 22, pp. 5442-5450, entire text, especially section entitled: Inhibition of TNF and cMyc-induced apoptosis by Bcl2 and MnSOD", pages 5444-5445.				
<b>A</b>	TURLEY et al. Vitamin E succinate induces Fas-mediated apoptosis in estrogen receptor-negative human breast cancer cells. Cancer Research. 1997, Vol. 57, pp 881-890, see especially last paragraph of intro on page 881 and discussion on pages 887-888.				
X Furth	er documents are listed in the continuation of Box C.	See patent family annex.			
• Sp	ecial categories of cited documents:	*T* later document published after the inte			
	cument defining the general state of the art which is not considered be of particular relevance	date and not in conflict with the appl the principle or theory underlying the			
	rlier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider			
	cument which may throw doubts on priority claim(s) or which is ed to establish the publication date of another citation or other	when the document is taken alone	minore an arrendre sup		
"O" do	ocial reason (as specified)  cument referring to an oral disclosure, use, exhibition or other	<ul> <li>Y° document of particular relevance; the considered to involve an inventive combined with one or more other sucl</li> </ul>	step when the document is not documents, such combination		
"P" do	nams  cument published prior to the international filing date but later than priority date claimed	being obvious to a person skilled in to  document member of the same patent			
	actual completion of the international search	Date of mailing of the international sea	irch report		
11 SEPTE	EMBER 2000	∬\ ነጋ∪⊥ ኃ <b>ሀሀ</b> (	·		
Commissio Box PCT Washington	nailing address of the ISA/US ner of Patents and Trademarks n. D.C. 20231	Jane Zara	ice to		
Facsimile N	lo. (703) 305-3230	Telephone No. (703) 306-5820	į		

#### INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/15243

C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevan	nt passages	Relevant to claim No
X,P	WO 99/54459 A2 (RIBOZYME PHARMACEUTICALS October 1999 (28.10.99), page 23, line 29-page 27, line figure 17).		1, 6
Y	MILNER et al. Selecting effective antisense reagents o combinatorial oligonucleotide arrarys. Nature Biotech., 1 15, pp 537-541, see entire text.		1-22
Y	JAMES, W. Towards gene-inhibition therapy: a review and prospects in the field of antiviral antisense nucleic a ribozymes. Antiviral Chem. and Chemotherapy, 1991, 4, pp 191-214, see especially pages 197-198.	cids	1-22
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#### INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/15243

A. CLASSIFICATION OF SUBJECT MATTER: IPC (7):								
A01N 43/04; A61K 31/70; C12Q 1/68; C12P 19/34; C07H 21/02, 21/04, 21/00								
A. CLASSIFICATION OF SUBJECT MATTER: US CL:								
514/44; 435/6, 91.1, 91.31, 91.5, 455, 366, 375; 536/ 23.1, 24.5, 25.3								
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#### NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of emendments under Article 19. The Notes are based on the preparaments of the Present Cooperation Treaty and of the Regulations and the Administrative instructions under that Treaty. In case of discrepancy between these Notes and those sequinaments, the latter are applicable. For more detailed information, see also the PCT Applicant's Ouide, a publication of WIPO.

in these Name, "Article", Their and Toution refer to the provisions of the PCT, the PCT Resembles and the PCT
Administrative Indicates, temporary,

## INSTRUCTIONS CONCERNING AMERICANIS UNDER ARTICLE 19

The applicant has, after healthy executed the international exects report, one appearantly to exceed the civings of the international application. It should be execute to complexical that, alone all pasts of the improprient applications (defined, description and descript) only to present desiring the international professionary complexities, there is transfer as executed and descriptions of the international professionary applicant variety to the international professional professi

#### What parts of the international application may be amended?

The chalms early.

The description and the drawings may only be amended during intimational pullindarry enumbration under Chapter &

When 7 While 2 ments from the date of transmitted of the interestional persons report or \$6 persons from the princip date, White recording the transmitted for interesting the persons, that he can be a person to the person of the careful of the ca

#### Where not to the the emendments?

The amondments may only be filed with the interactional Bureau and put with the receiving Office or the interactional Searching Authority (Rule 46.2).

Where a domand for interactional positionic sty examination has been's Glad, see below.

How? Ether by cancelling one or more entire claims, by adding one or more new claims or by ementing the text of one or more of the claims as Glod.

A suplement short must be submitted for each short of the claims which, on account of an amendment or emendments, differs from the short originally filed.

All the claims appearing on a replacement about must be numbered in Arabic numerals. Where a claim is cancelled, no reasonbering of the other claims is required. In all cases where claims are renumbered, they must be summbered consecutively (Administrative Instructions, Section 205(b)).

#### What document: ::: "Very accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.